



We're Hiring!

PLANNING & DESIGN MANAGER

Grow Your Career While Leading an Innovative Team

Our projects, and the engineers who work on them, are pioneering climate-resilient designs. Working on a Miami Beach project means that you are helping move the engineering industry forward.

MIAMI BEACH
PUBLIC WORKS DEPARTMENT

LEAD A TEAM OF FIVE ENGINEERS DESIGNING AND MANAGING THE CAPITAL PROGRAM

The Position

As the lead design engineer, you'll work on challenging projects that garner worldwide recognition. This position will not only provide an opportunity to sharpen your technical and managerial skills, but also bolster your career by placing you at the forefront of climate-resilient designs.

Responsibilities

- Mentor and train junior engineers
- Lead all planning & design efforts
- Direct the team to execute innovative infrastructure designs
- Manage consultant design projects
- Supervise staff
- Execute division's strategic initiatives
- Provide technical expertise to management
- Ensure projects remain within budget and on schedule

Salary & Benefits

\$ 110,000+



Excellent Work-Life Balance



More Benefits Info on Page 4





The Miami Beach Engineering Division prides itself in doing more than just managing consultant projects. We design and build infrastructure.

Our team has some of the best technical engineers in the South Florida region working on infrastructure projects that set the bar across the nation. We are often consulted for advice and are proud to push the limits on conventional designs. When facing an existential crisis such as climate change, innovation is essential.

Being part of this team means that you'll be involved in a tightknit group that works with operational personnel, as well as the Capital Improvements Department. We are one city and success is achieved mutually.

As the Planning & Design Manager you'll work with engineering, operations and project management to ensure that all needs are addressed within our detailed designs and our long-range master plans.

We look forward to getting to know all candidates and are very excited to work with the successful candidate on our capital program.

Sincerely,

A handwritten signature in dark ink, appearing to read 'N. Perez-Jacome'.

Nelson Perez-Jacome, P.E.
City Engineer

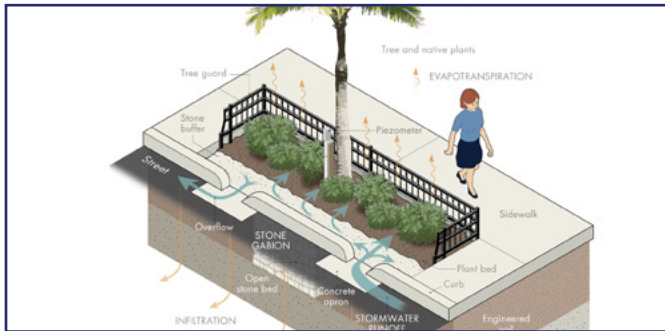
Program Overview

57 New SWTs to be Constructed.

With a prioritized neighborhood improvement project plan, our team is ready to commence a long-range stormwater capital program that will holistically address infrastructure issues across the city, while mitigating the effects of sea level rise.

Green Infrastructure

Lead the Way in Environmentally Conscious Engineering.



Our designs not only incorporate best in class mechanical electrical and instrumentation technologies, they also include many natural adaptation features. Components such as bioswales play a critical role in our designs by enhancing water quality while providing aesthetic benefits to the neighborhood.

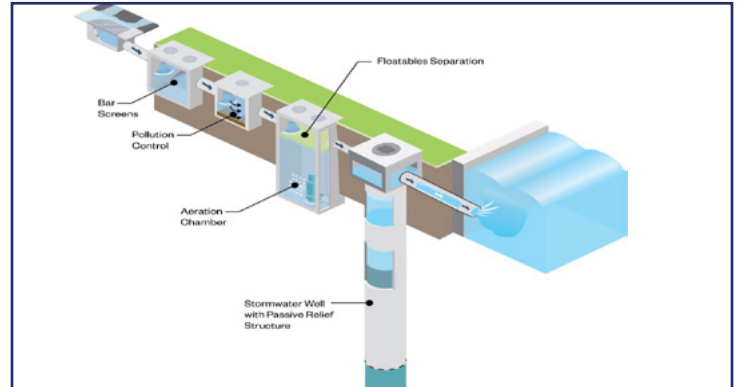
Pioneer Adaptation

In the Fight to Mitigate the Effects of Sea Level Rise, the City is Pioneering New Strategies.

Leveraging our extensive research and planning efforts, the city is leading the world in elevating thoroughfares to combat the effects of the astronomical high tide and sea level rise.

LEADING THE WORLD IN SEA LEVEL RISE MITIGATION & CLIMATE RESILIENCE

The city is designing more than just stormwater pump stations. We're designing stormwater treatment systems (SWTs). Just one SWT can exceed 120,000 gpm or 173 million gallons a day. That's the capacity of a large wastewater treatment plant!



The city is implementing next generation stormwater treatment systems that combine the best attributes of wells and outfalls, while retaining all the upstream water quality elements.

These systems are hybrids that include five stages of treatment, filtering the water and sequestering contaminants prior to discharging the water to Biscayne Bay.

The city is augmenting these innovative SWTs with green infrastructure. Although these green solutions will not help with flooding, they will improve water quality by taking up nutrients that can harm Biscayne Bay.

\$122 Million 5-Year Water & Sewer Capital Plan

In 2018 the city embarked on a lengthy master planning process. Cognizant of the urgent needs facing the water and sewer enterprise funds, the city obtained \$114 million in revenue funding and revenue refunding bonds.

Since that time, the city has developed a renewal and rehabilitation report, calibrated its hydraulic models, and developed a 25-year master plan. The result of this

work is a \$122 million five-year critical needs capital plan that addresses the most pressing needs for the utility.

Beyond the five-year critical needs CIP, the water and sewer enterprise will require continued R&R, as well as capital improvements related to neighborhood projects that were not contemplated within the five-year CIP.

We also have many challenging projects in the pipeline!

Miami Beach Goes Above and Beyond to Protect Biscayne Bay

- We are implementing a new, pump-based stormwater treatment system that uses a multistep filtration process, which helps prevent litter and debris from reaching Biscayne Bay.
- We sweep 177 miles of streets daily, removing more than 450,000 pounds of material.
- Street sweeping removes more than 1,300 pounds of nitrogen and 840 pounds of phosphorus that would have otherwise reached Biscayne Bay.
- The city cleans 150% of the stormwater system (catch basins, pipes, outfalls) each year.
- Miami Beach is one of the 30 permitted entities allowed to discharge stormwater in Miami-Dade County.
- We manage approximately 3.8% of the 8,000 outfalls in the county. The rest of the outfalls are owned by the county or other cities.

Miami Beach's Water & Sewer Systems

- 23 sewer pump stations
- 117 miles of gravity sewer mains
- 26 miles of force mains
- As part of our capital program, we are currently implementing state-of-the-art technology, including SCADA and Advanced Metering Infrastructure.
- These systems will accommodate the city's operational needs while improving the level of service to our stakeholders and residents.
- 6 water booster pump stations
- 184 miles of water main
- 4 ground storage tanks with a total of 12 million gallon capacity

Program Overview

\$300+ Million in W&S; CIP \$122 Million in the 5-Year Critical Needs CIP.

These capital programs are already underway. In fact, we have more than 50% of the five-year critical needs capital plan in some stage of development.

Large Infrastructure

10+MGD Sewage Stations 54 Inch Diameter Force Mains.



Although only 7 square miles, the city represents a global brand. Our infrastructure is designed to accommodate a total equivalent population of 200,000, including 100,000 residents and 100,000 equivalent transient population of hotel guests and commuting workforce.

Robust infrastructure solutions are fundamental to the city's prosperity.

Unique Projects



Designing in the city is not like working on the land side. Whether having to account for increased costs, surveying benthic resources or working within a harsh saline environment, engineering skills are challenged when it comes to our projects.

GREAT BENEFITS

Here at the city, your health and well-being are important to us. We believe that professional success and personal success go hand in hand – and we're here to help achieve both!

The city boasts some of the best benefits available to practicing engineers, including:

- Medical & health insurance
- Defined pension plan
- Wellness programs
- Tax-deferred medical spending accounts
- Dental & vision insurance
- Life insurance
- Pet insurance
- Employee assistance programs
- Legal services
- Identity theft protection
- Supplemental insurance

ADDITIONAL INFORMATION

To request additional information or to apply, please access the links below.

- ▶ [Apply Here](#)
- ▶ [MB Rising Above](#)
- ▶ [Public Works Department](#)

A Retirement Plan to Beat the Rest...

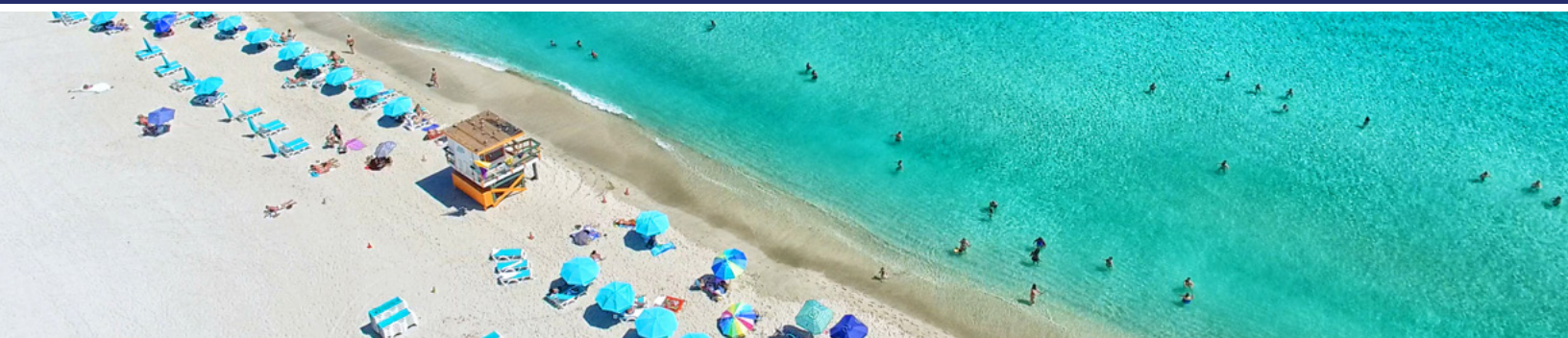
Accumulate 2.5% per year of your final average monthly earnings, up to a maximum of 80%

The city's retirement benefit is a defined pension plan. You will receive an annuity independent of what the market conditions are during your retirement.

Working in today's dollars, that means you'll get 80% of your salary for life if you max out the benefit. You'll also vest in only five years. Another way to look at it is that every 10 years of service will give you 25% of your salary for life after retirement.

The city also provides its employees access to a 457b employer sponsored retirement account.

MIAMIBEACH



Join Our Team

For More Information, Visit or Contact:

www.miamibeachfl.gov

www.mbrisingabove.com

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